

FIG. 1

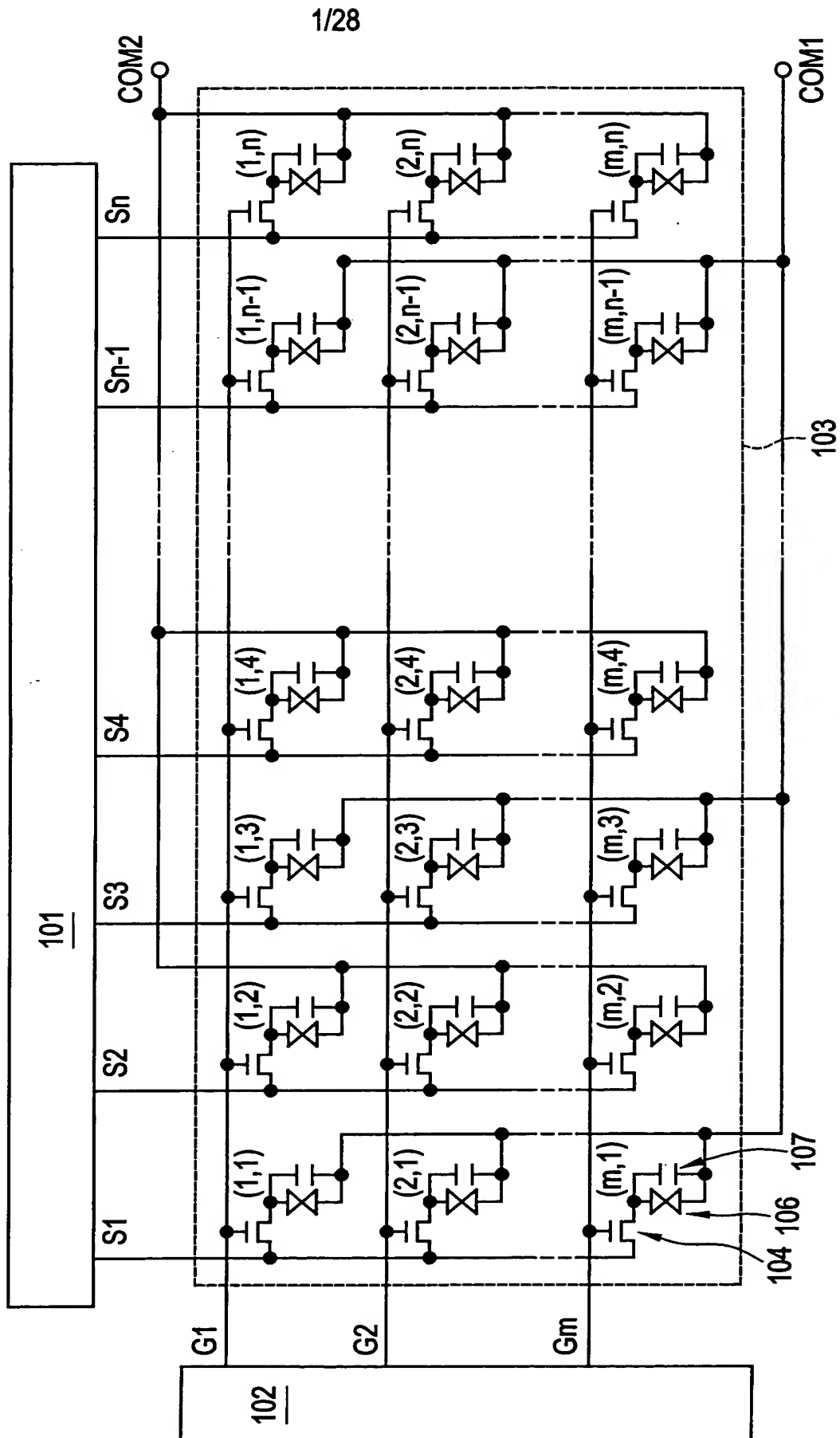


FIG. 2

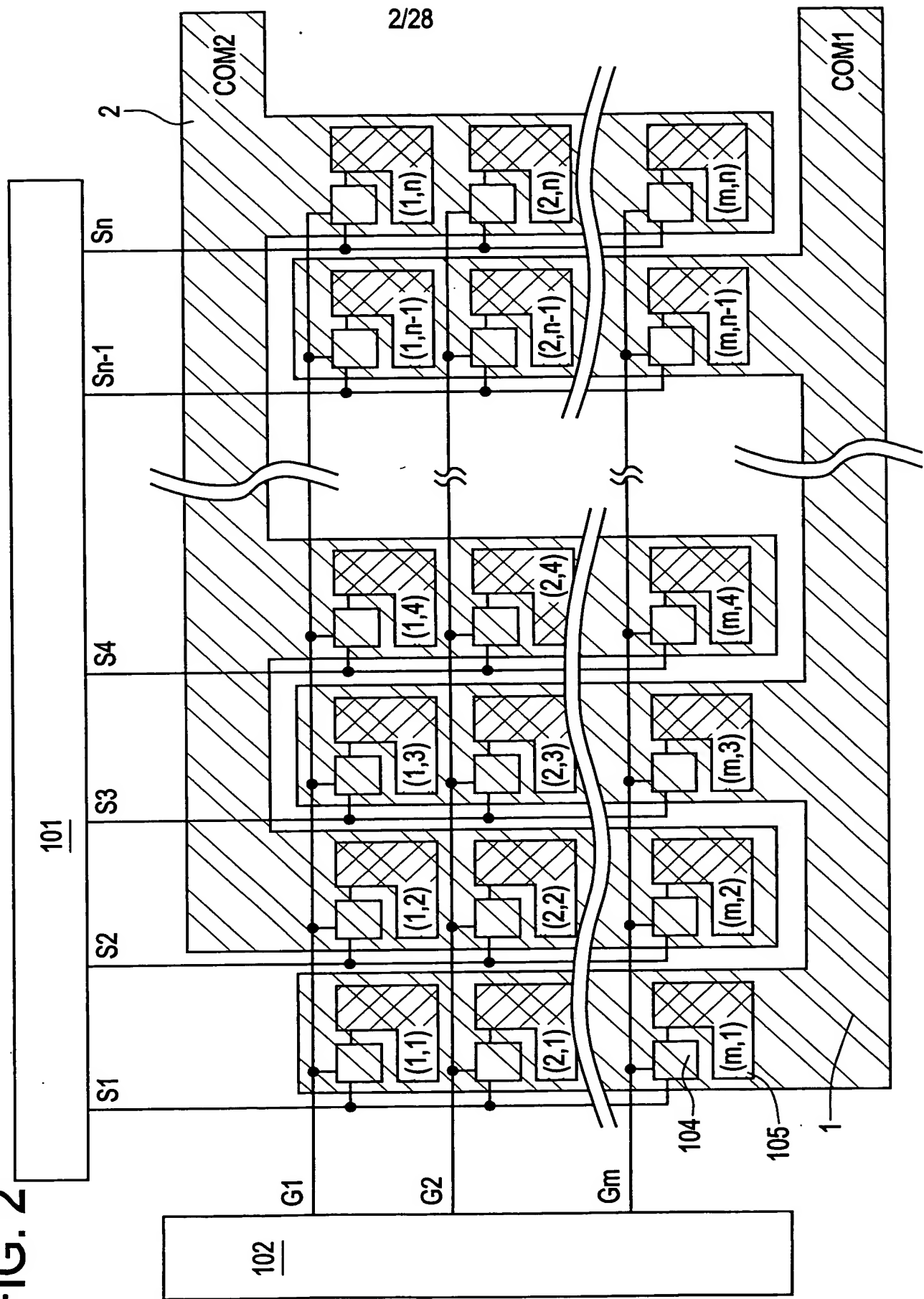


FIG. 3

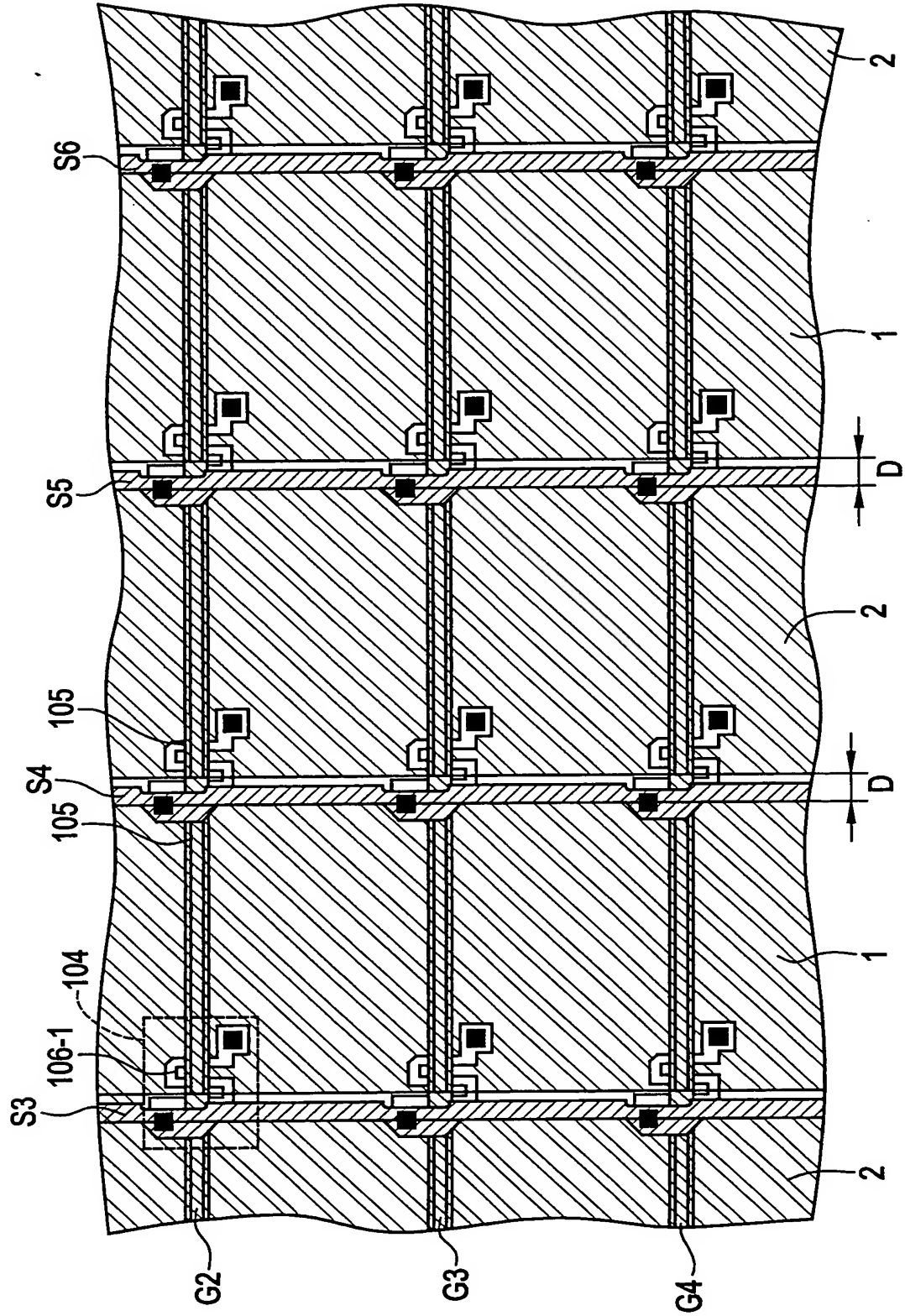


FIG. 4

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FIRST FRAME SCANNING PERIOD

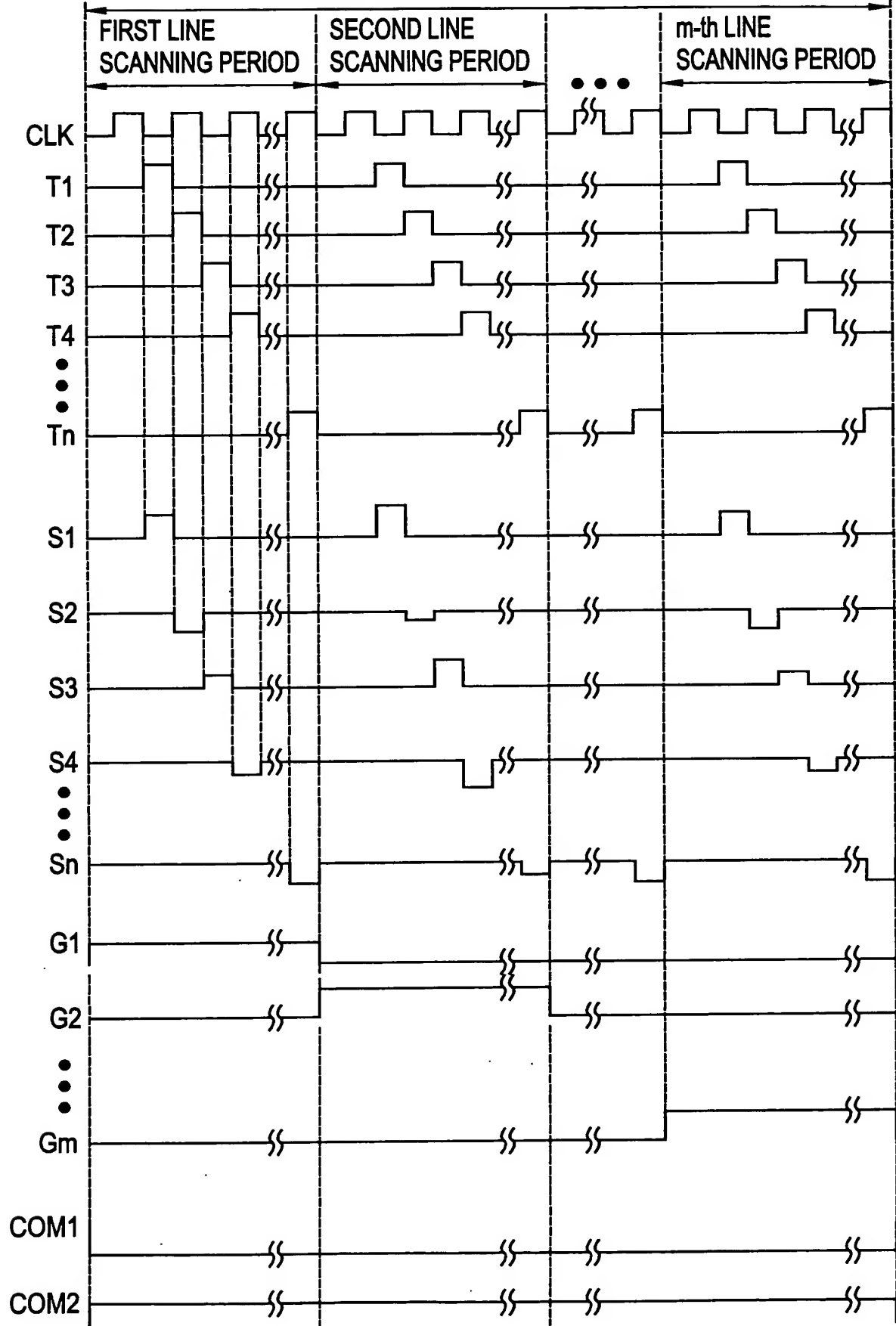


FIG. 5

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SECOND FRAME SCANNING PERIOD

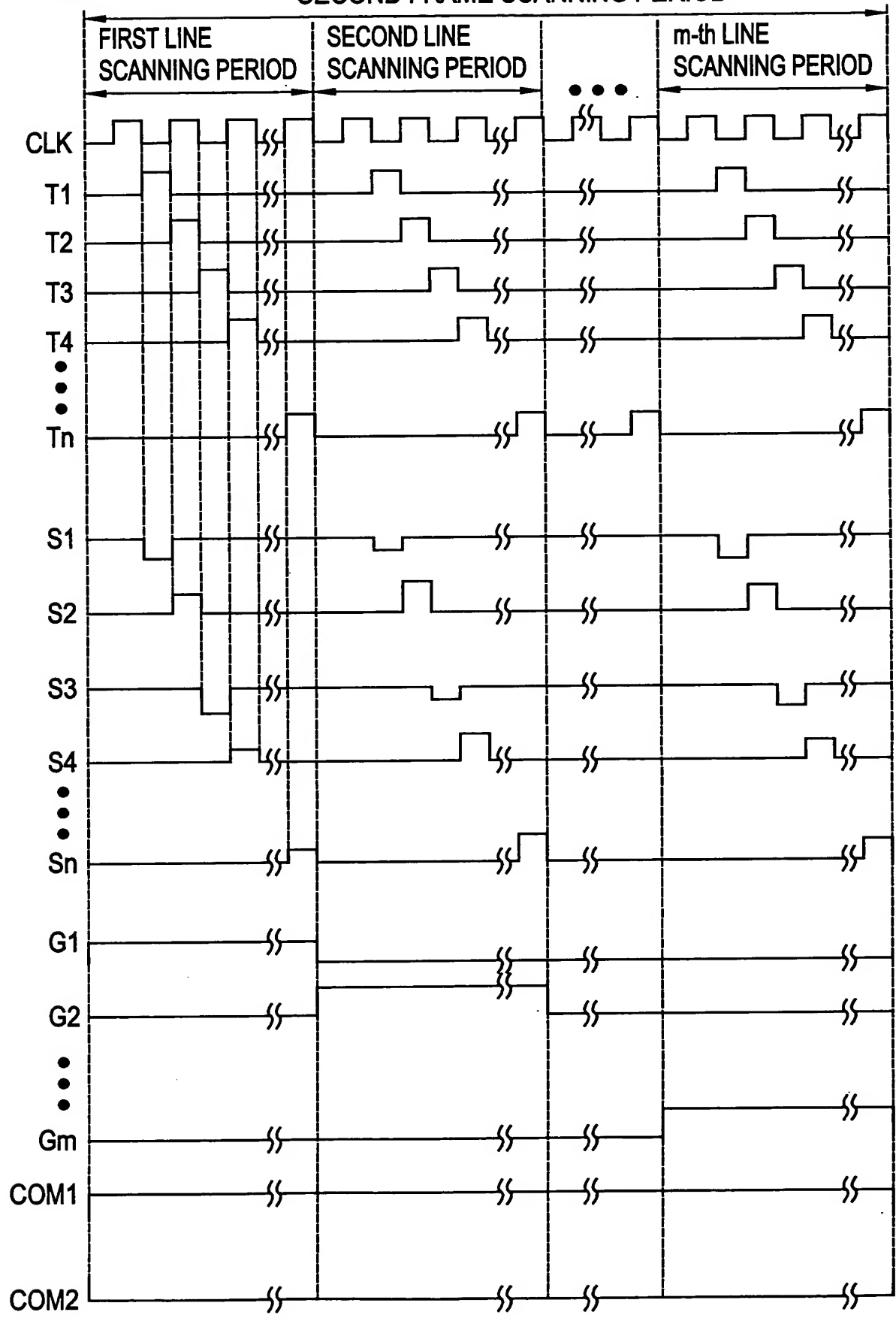


FIG. 6

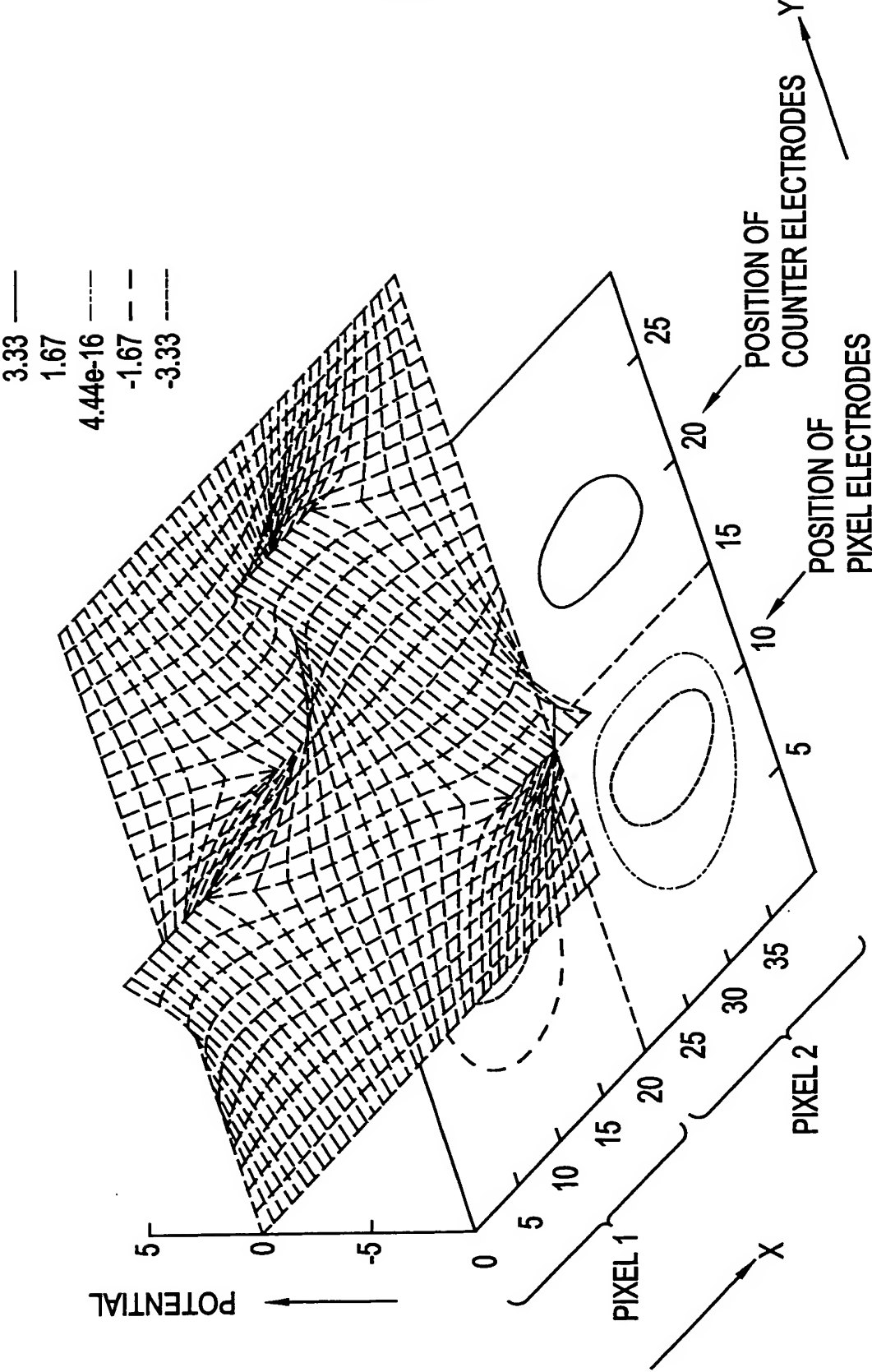


FIG. 7

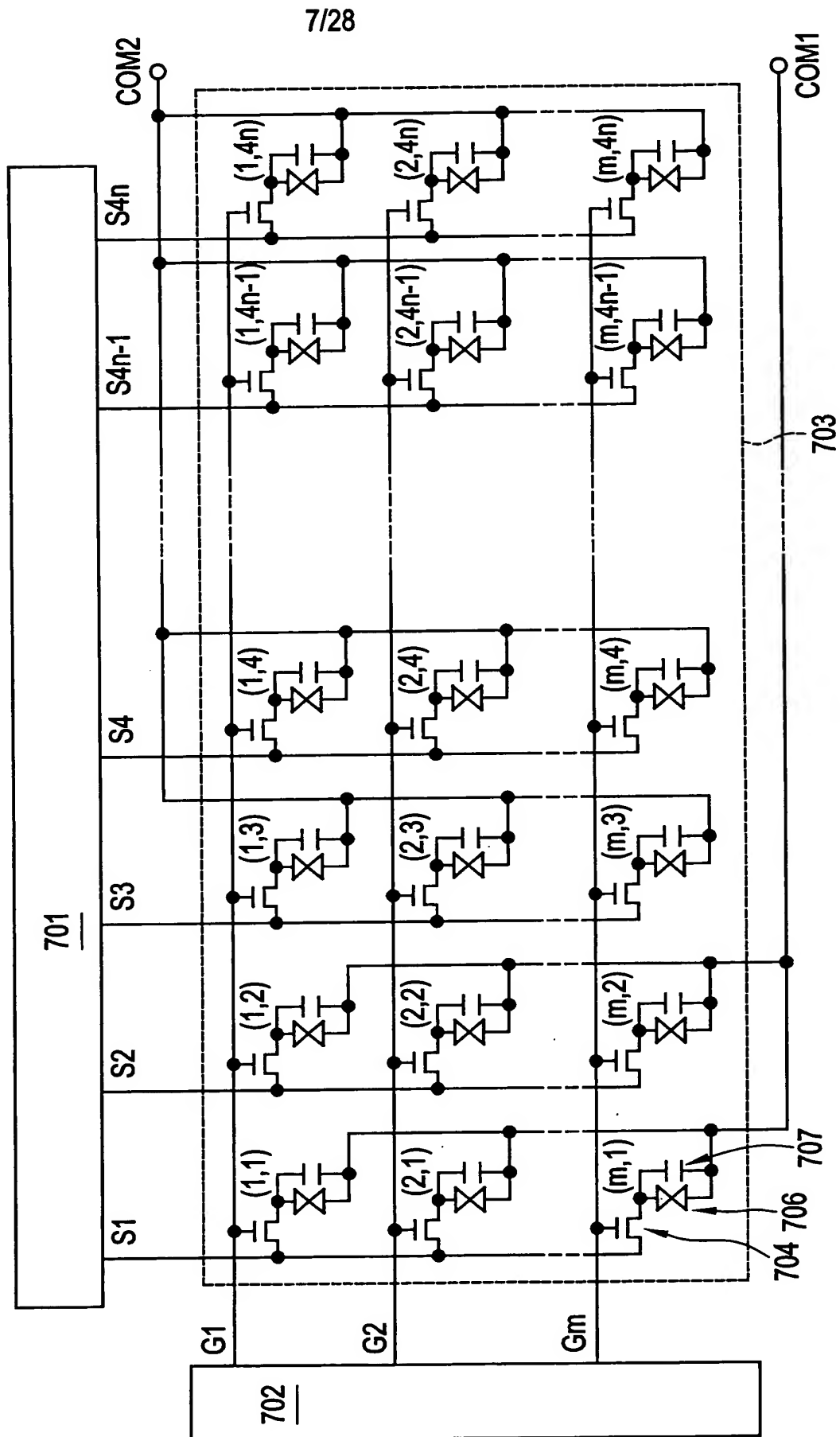


FIG. 8

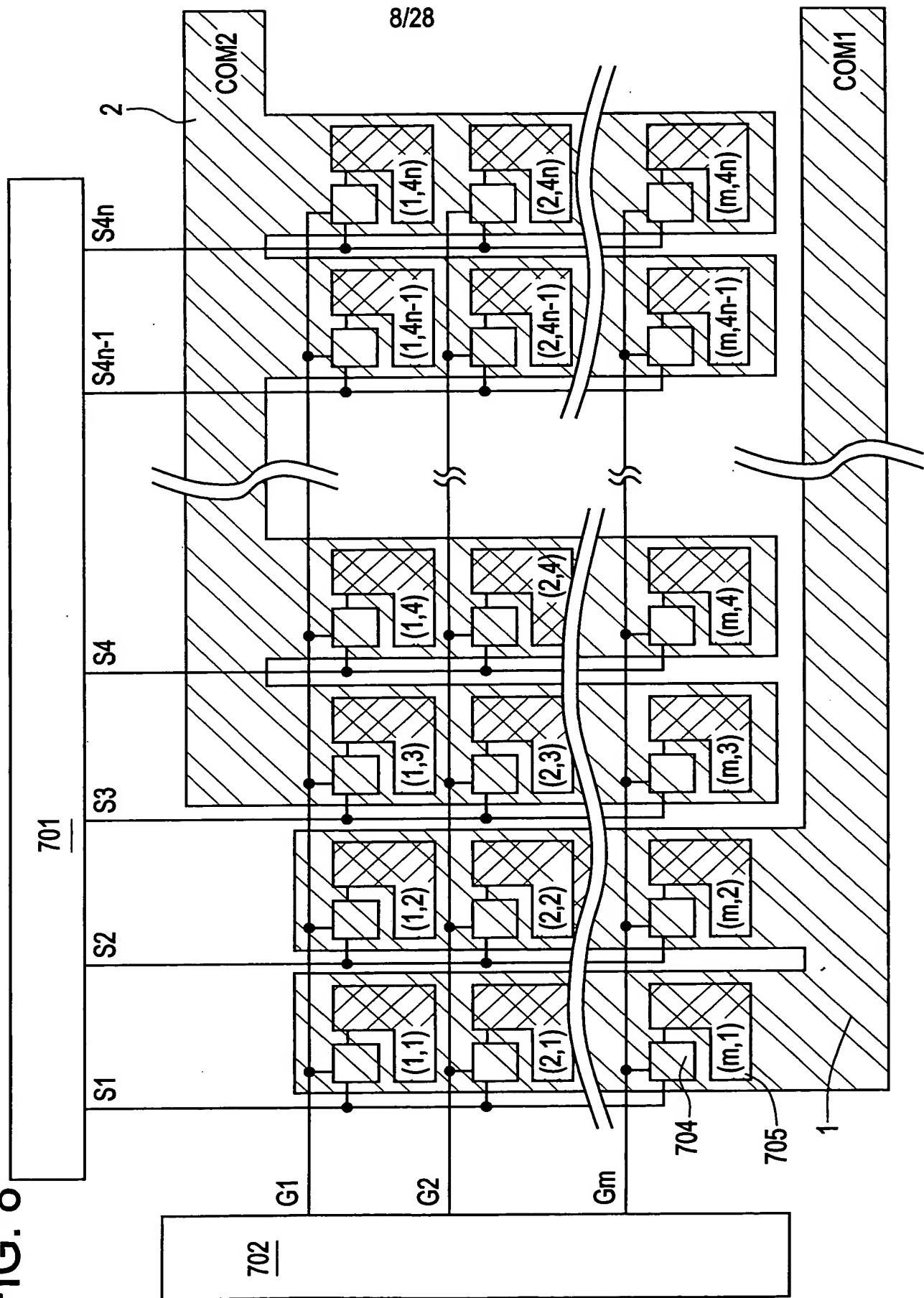


FIG. 9

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FIRST FRAME SCANNING PERIOD

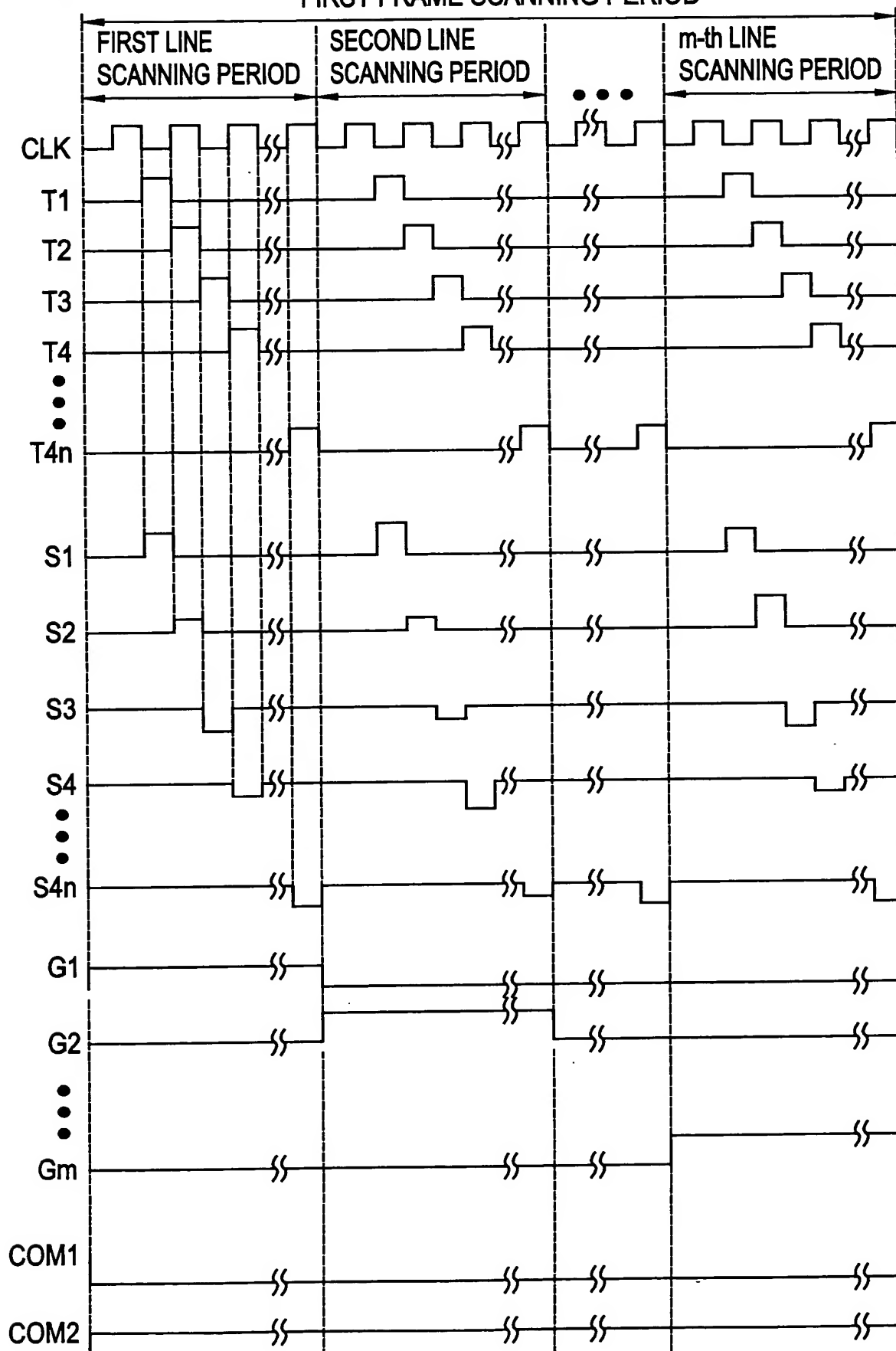
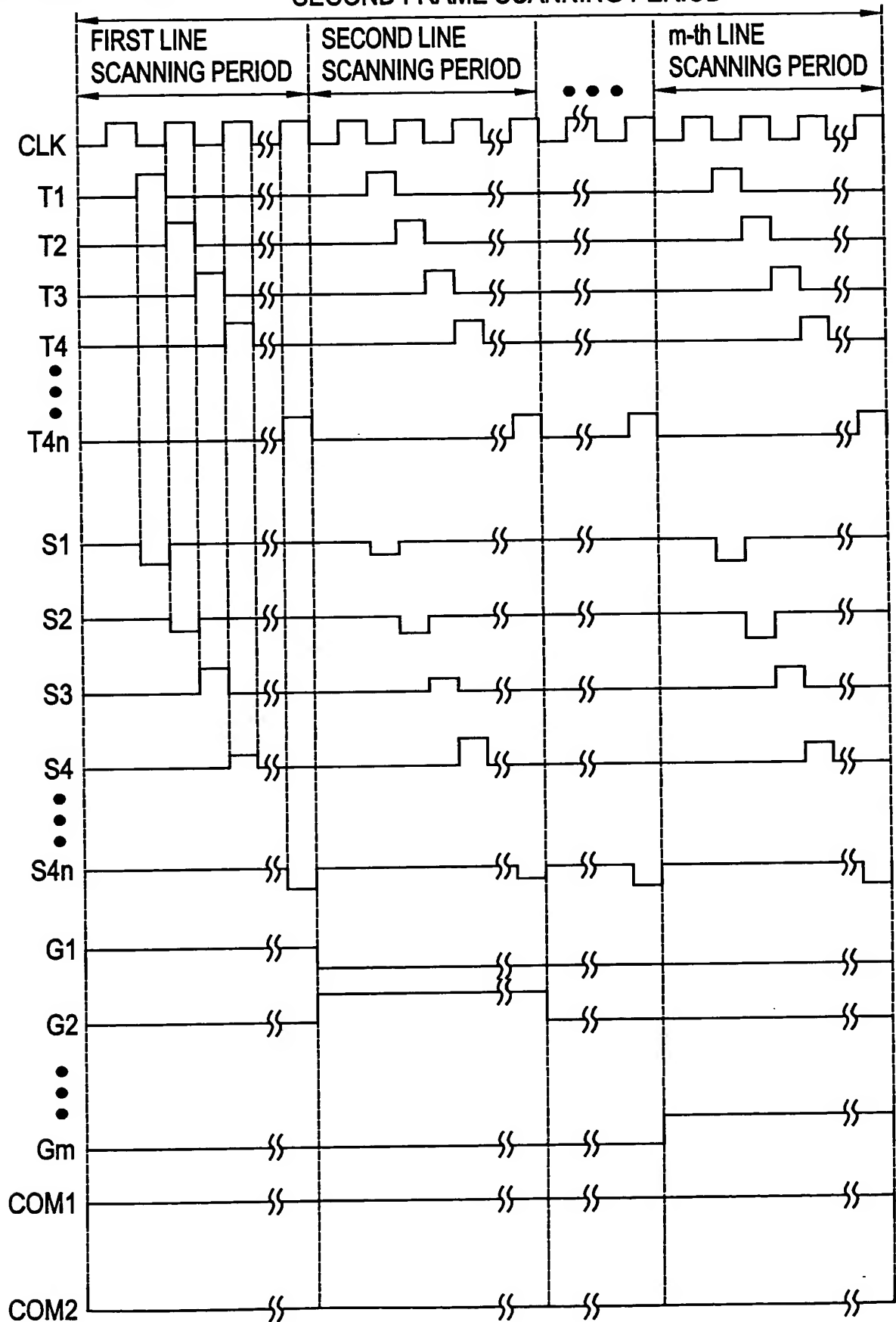


FIG. 10

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SECOND FRAME SCANNING PERIOD



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FIG. 11A

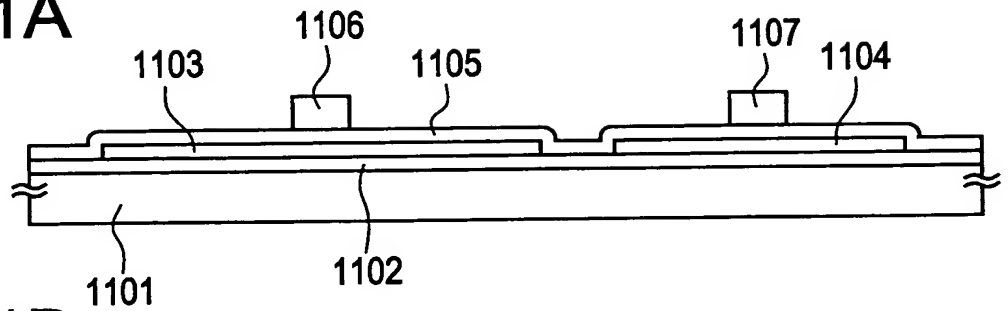


FIG. 11B

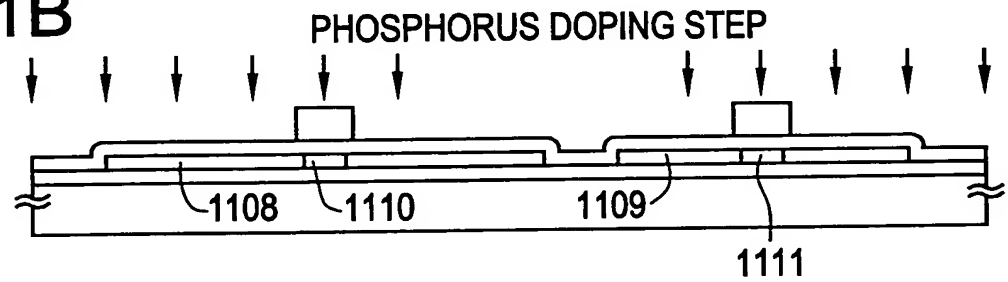


FIG. 11C

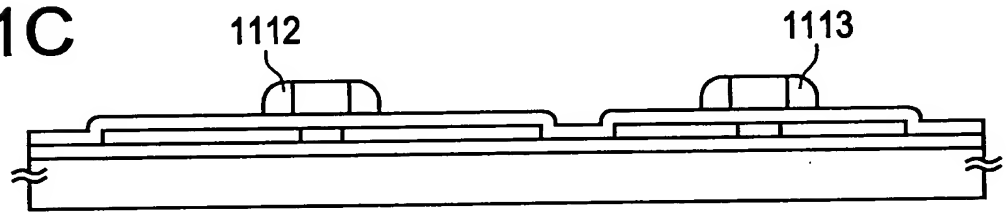


FIG. 11D

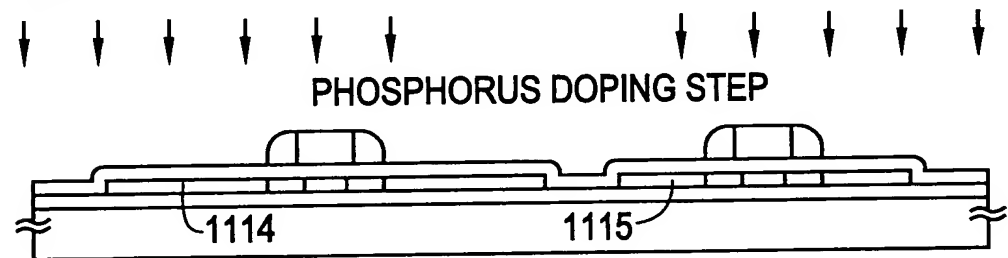
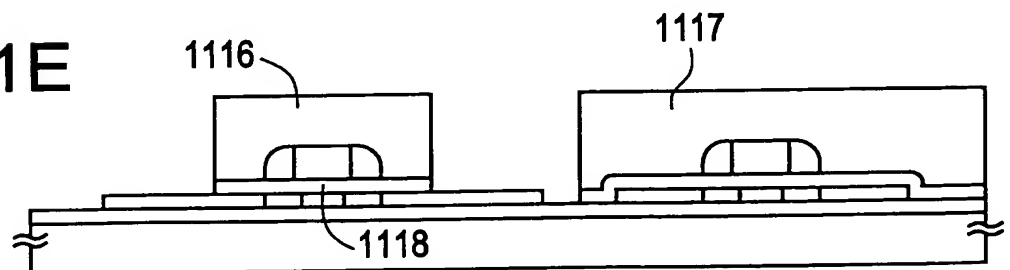


FIG. 11E



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FIG. 12A

PHOSPHORUS DOPING STEP

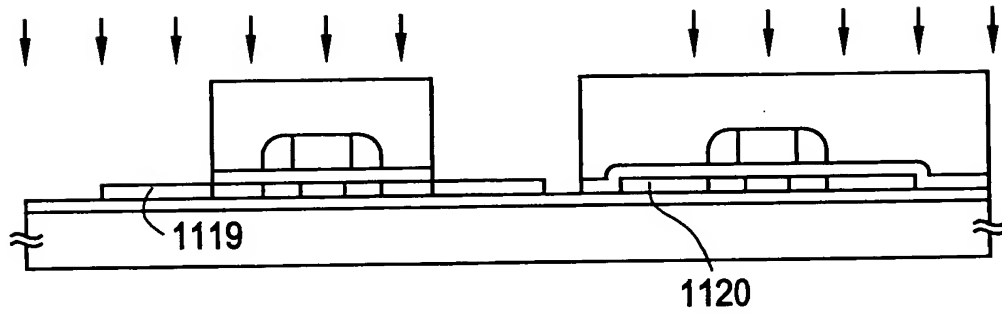


FIG. 12B

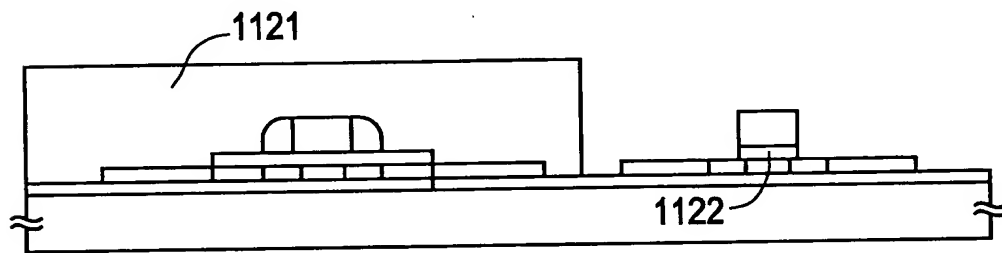


FIG. 12C

BORON DOPING STEP

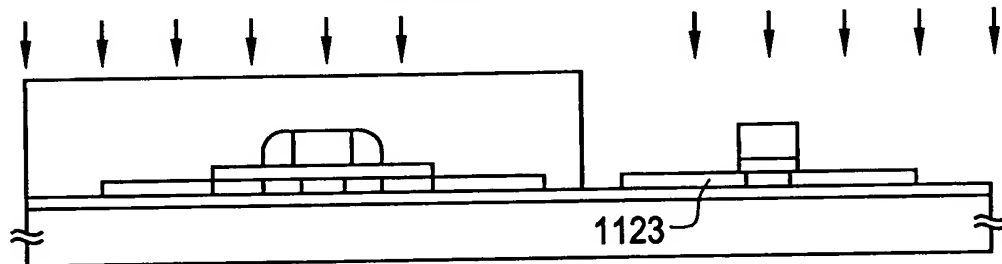


FIG. 12D

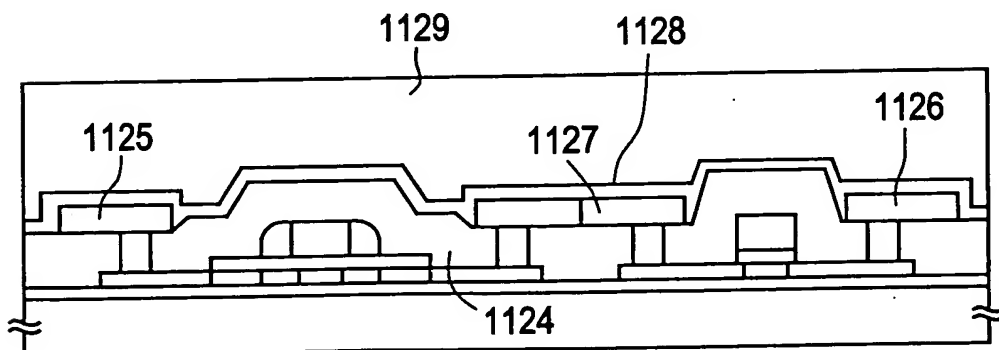


FIG. 13A

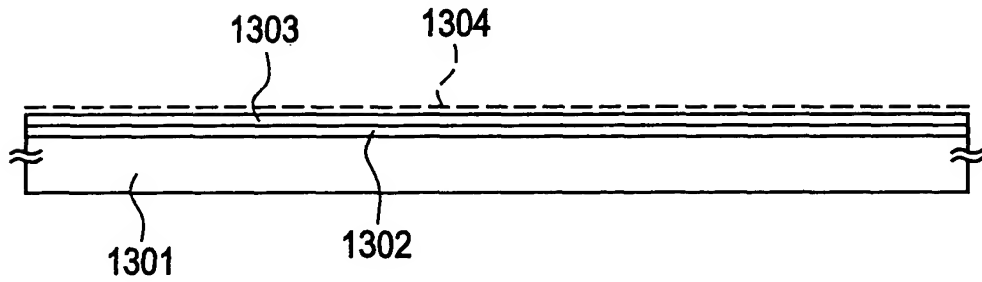


FIG. 13B

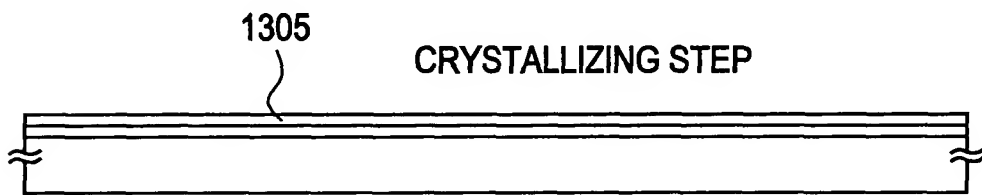


FIG. 14A

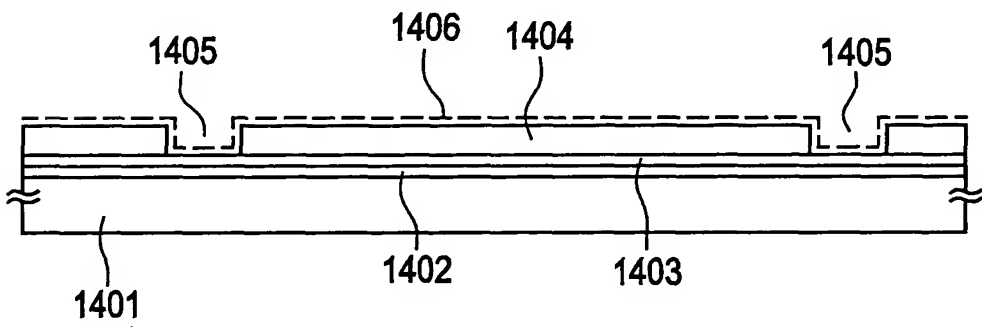


FIG. 14B

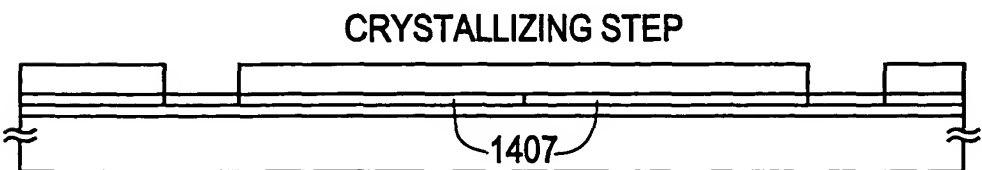


FIG. 15A

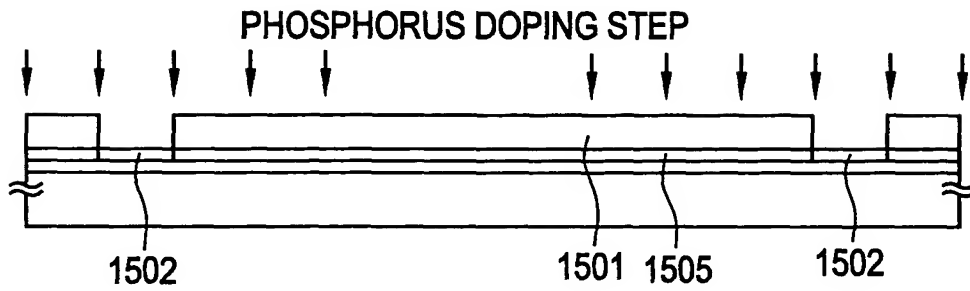


FIG. 15B

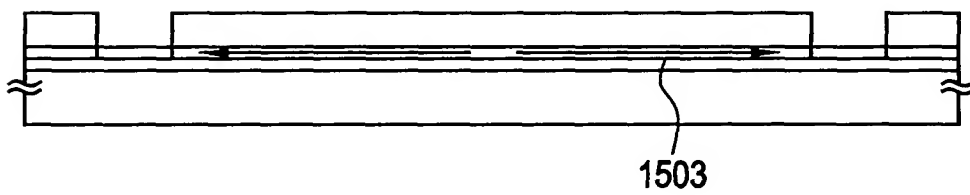


FIG. 16A

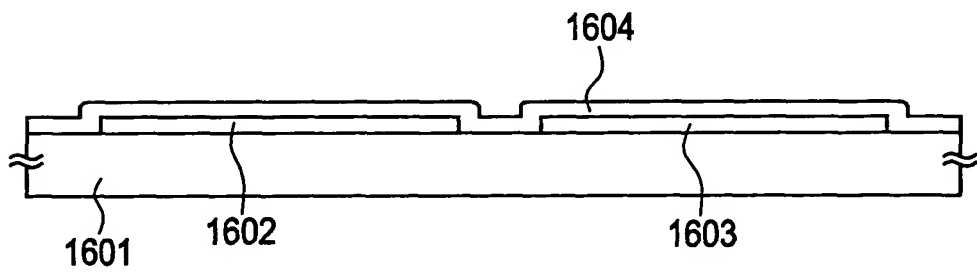
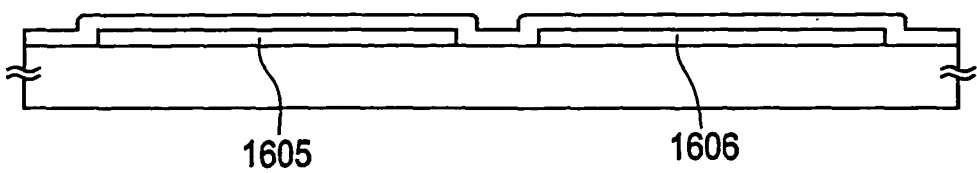


FIG. 16B

HEAT TREATMENT IN ATMOSPHERE CONTAINING HALOGEN ELEMENT





A cross-sectional view of a semiconductor device. It shows a substrate with a series of gate structures. Each gate structure consists of a gate dielectric layer (hatched) and a gate electrode (solid). The gate electrodes are connected to a common line (1723) via contact holes (1722). The gate structures are separated by spacers (1720). The device is subjected to pressure, indicated by downward arrows. Labels 1717, 1718, 1719, 1720, 1721, 1722, and 1723 are shown at the bottom, with lines pointing to the corresponding components.

FIG. 17C

This diagram shows a cross-sectional view of a semiconductor device. It features a central gap (1726) between two main body sections (1724 and 1725). The device is built on a substrate (1727). Arrows indicate downward pressure or force applied to the top surfaces of the device sections.

FIG. 17D

[illegible]

FIG. 17E

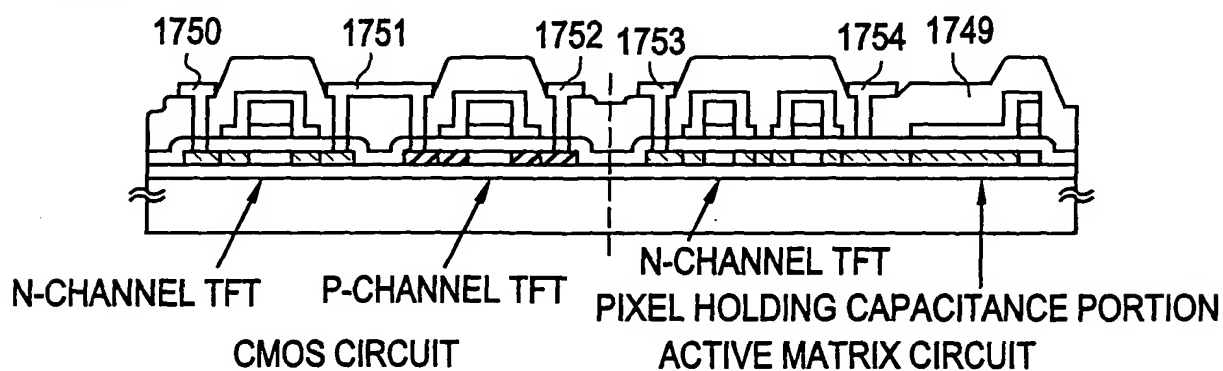


FIG. 18A

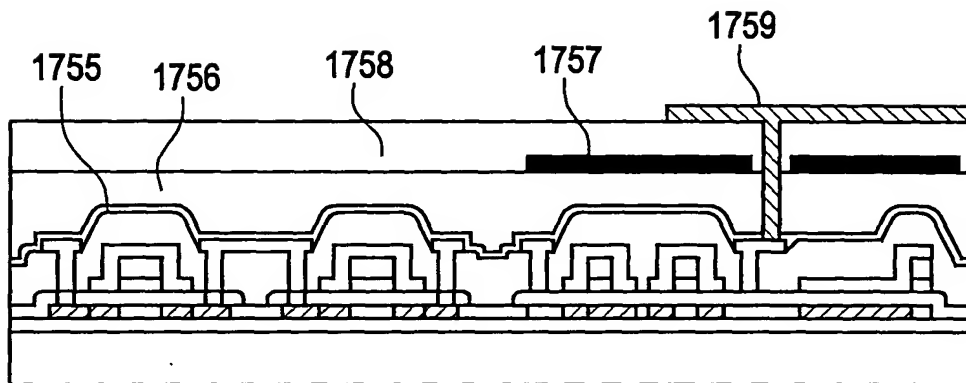


FIG. 18B

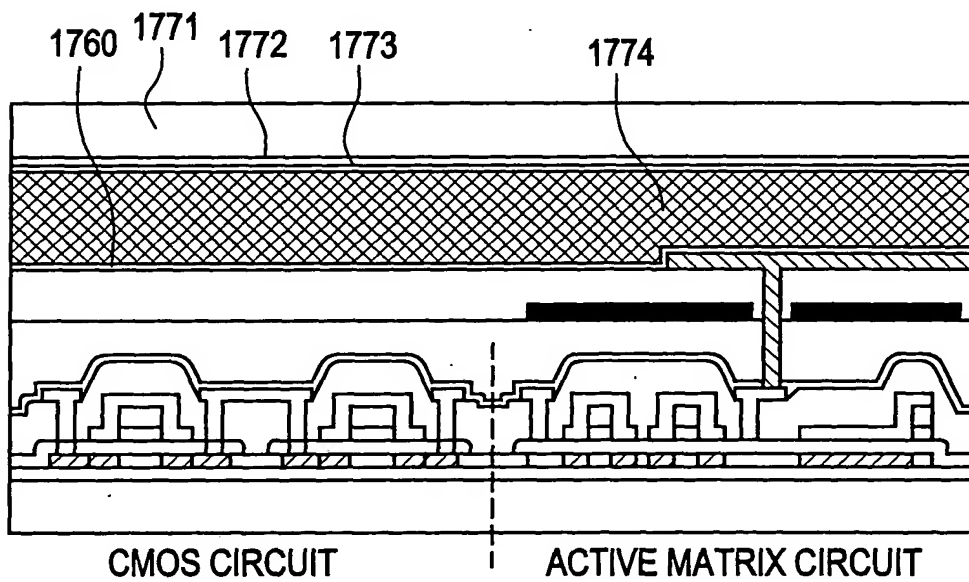


FIG. 19A

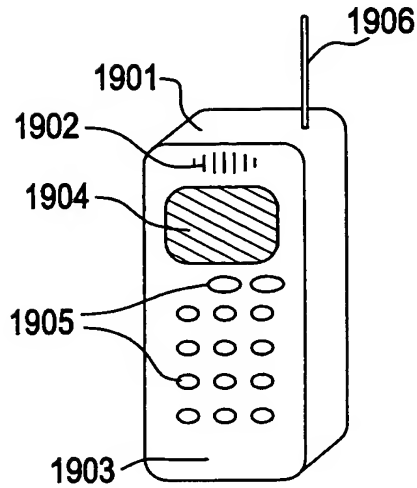


FIG. 19B

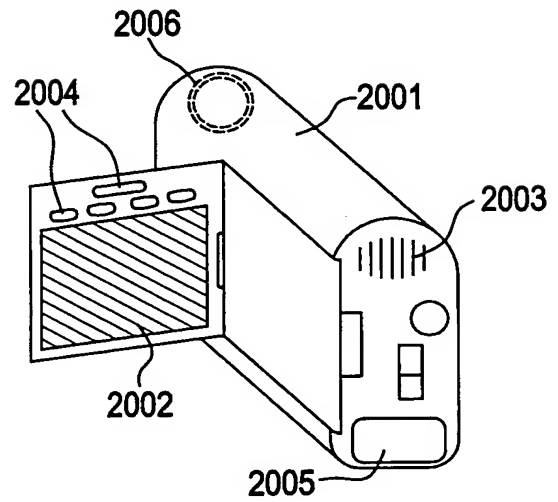


FIG. 19C

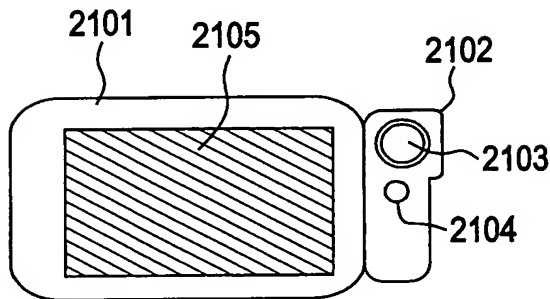


FIG. 19D

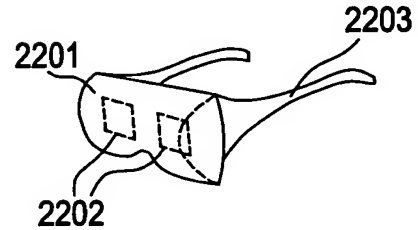


FIG. 19E

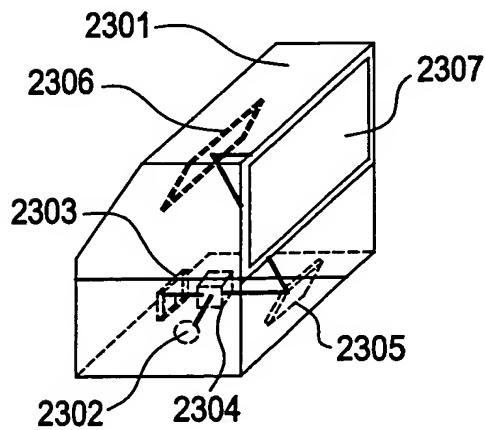


FIG. 19F

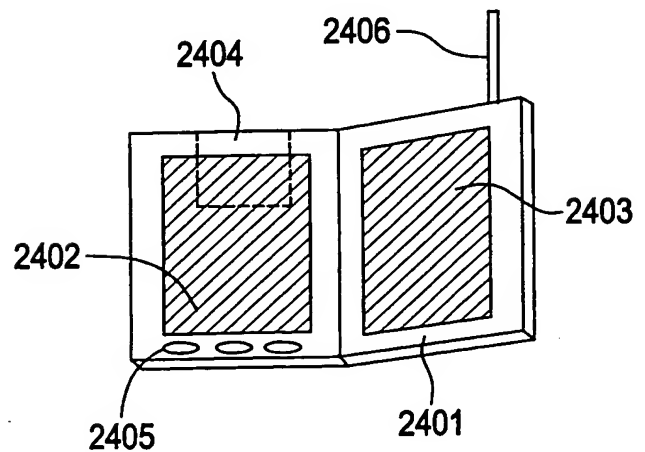


FIG. 20
PRIOR ART

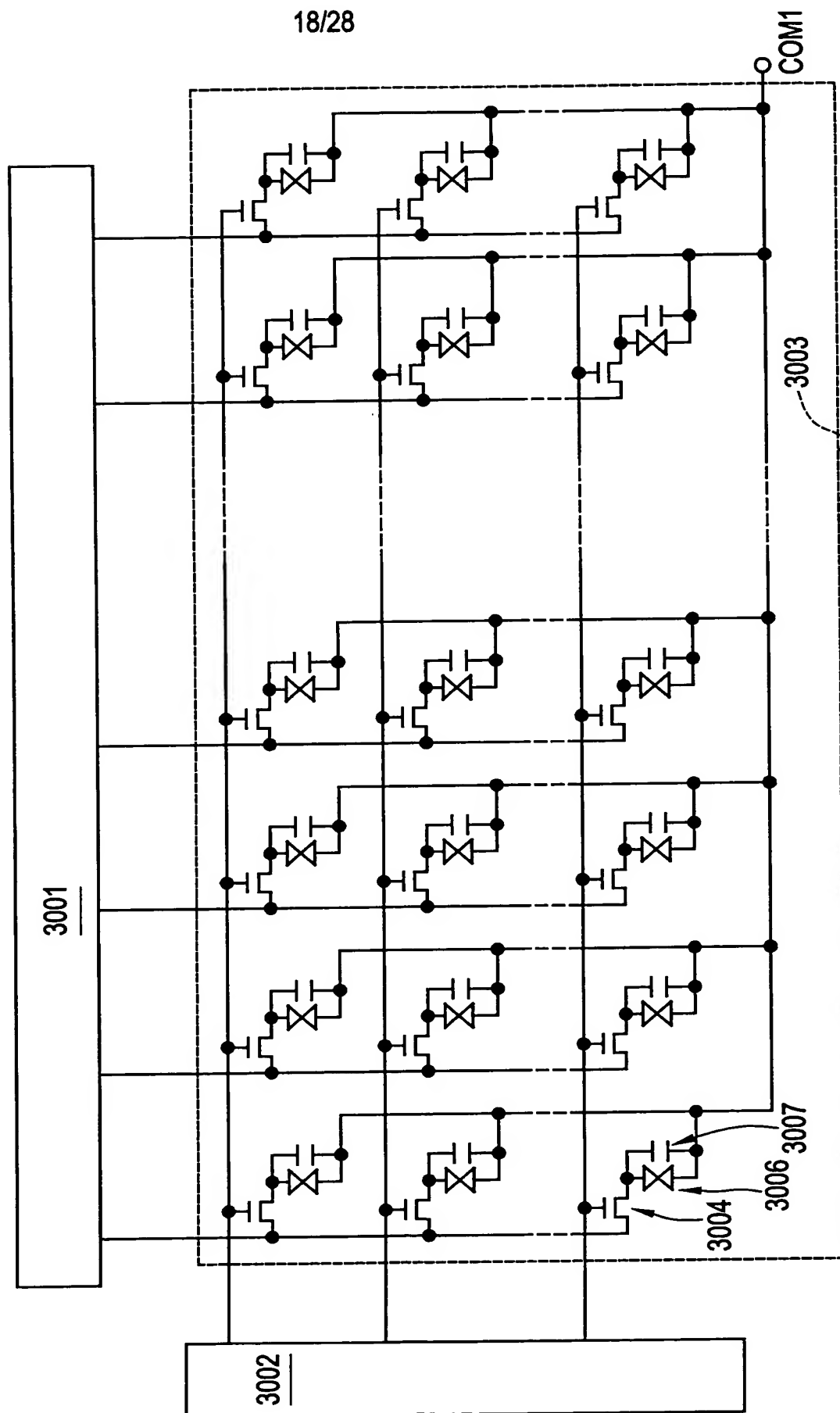


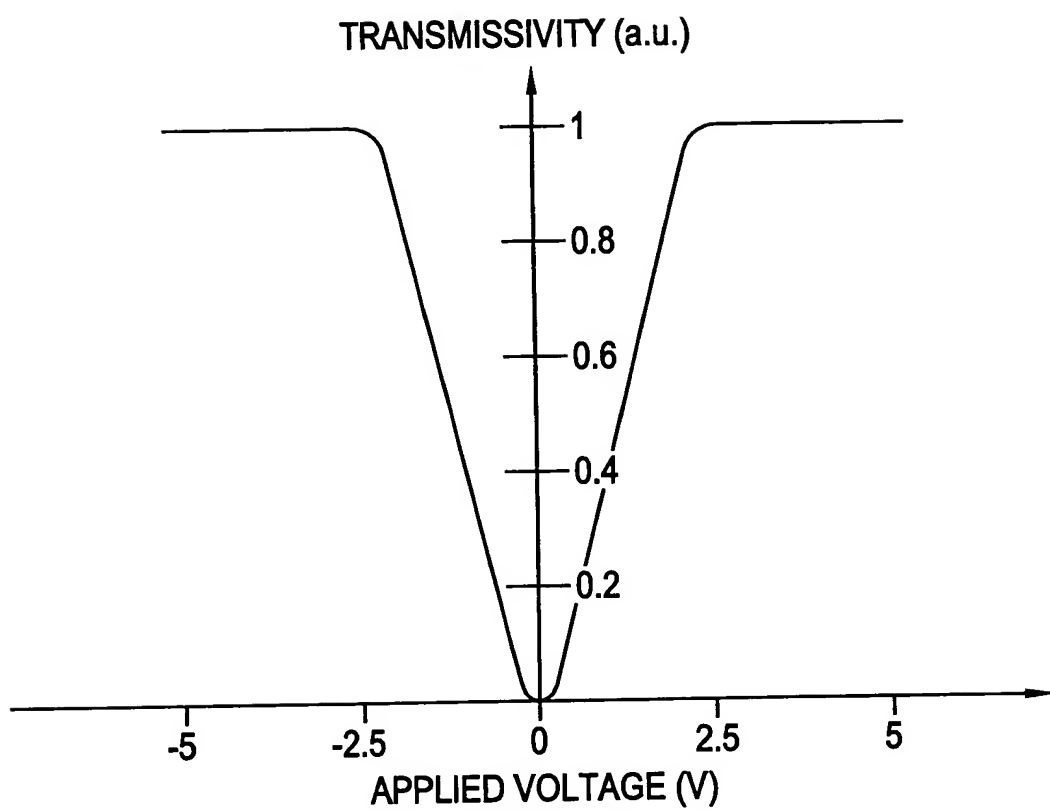
FIG. 21

FIG. 22

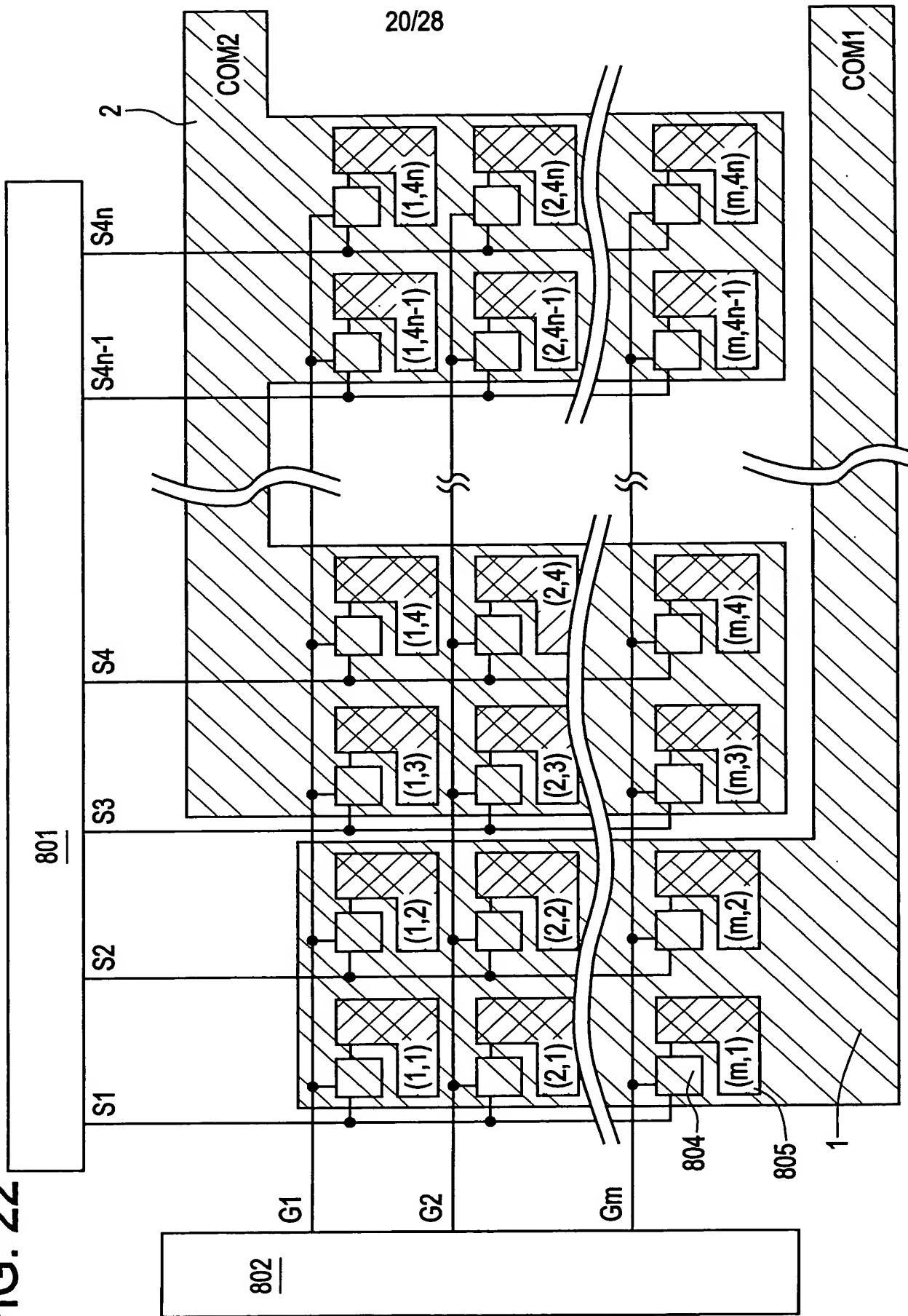


FIG. 23

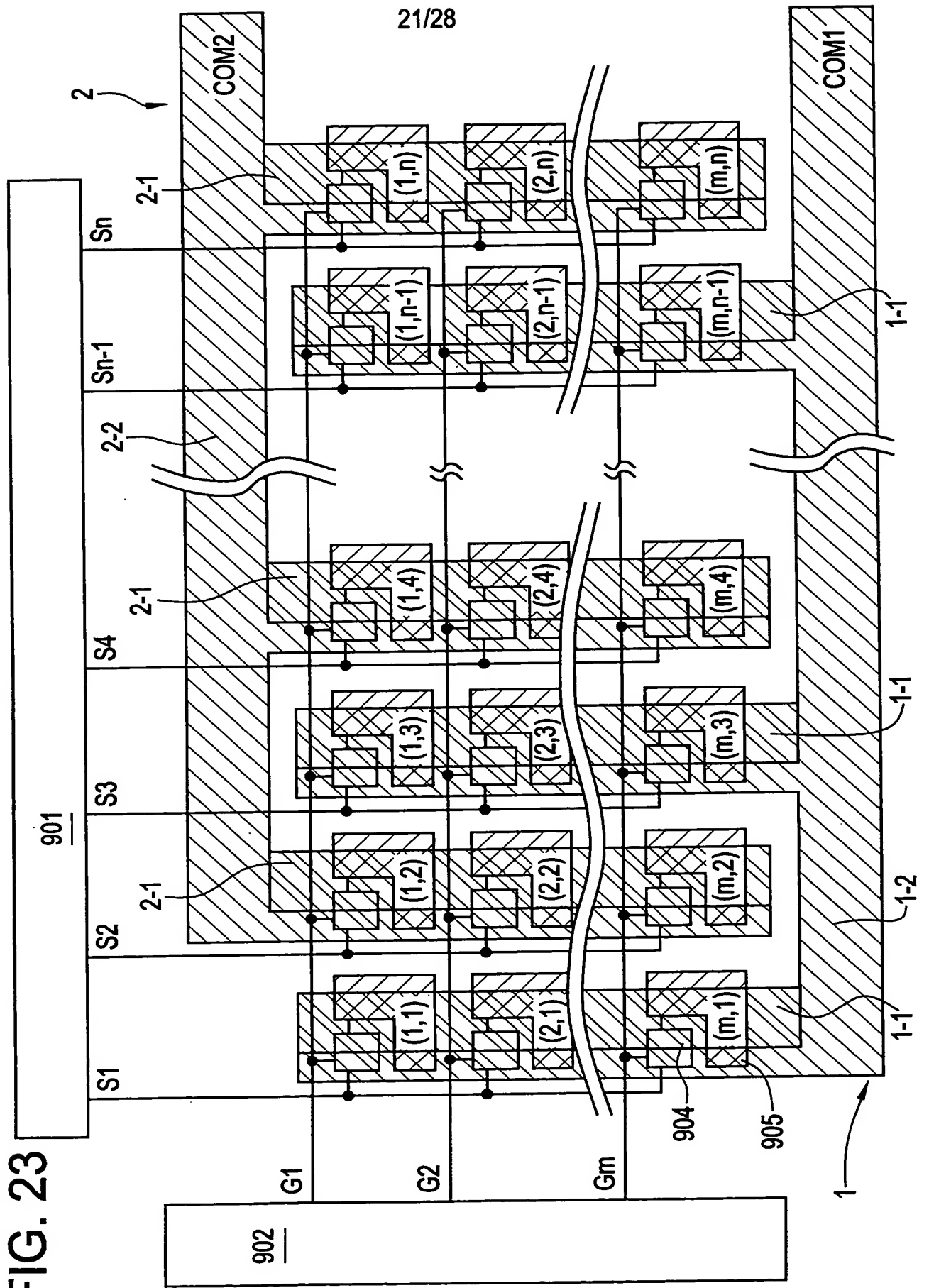


FIG. 24

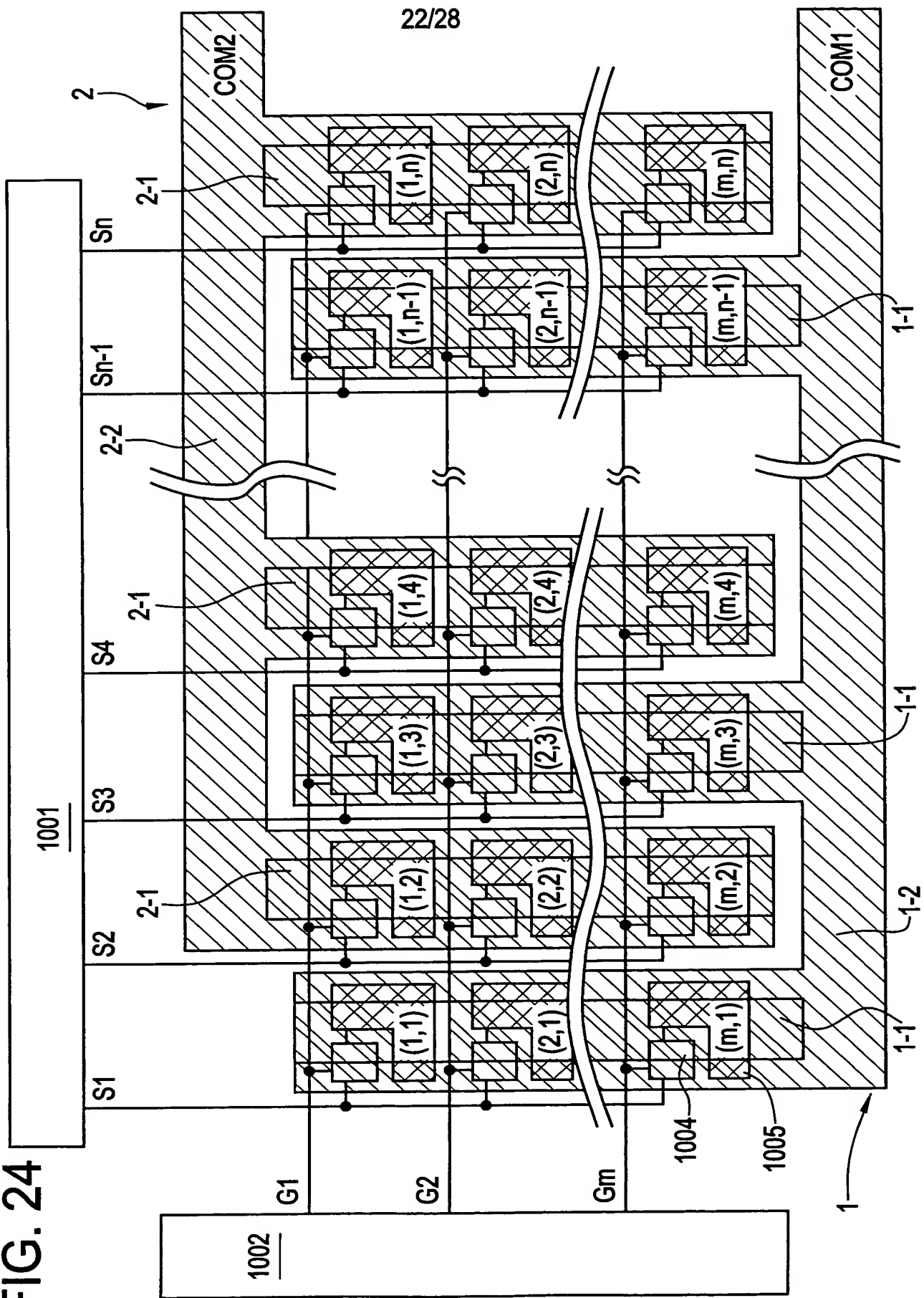


FIG. 25A

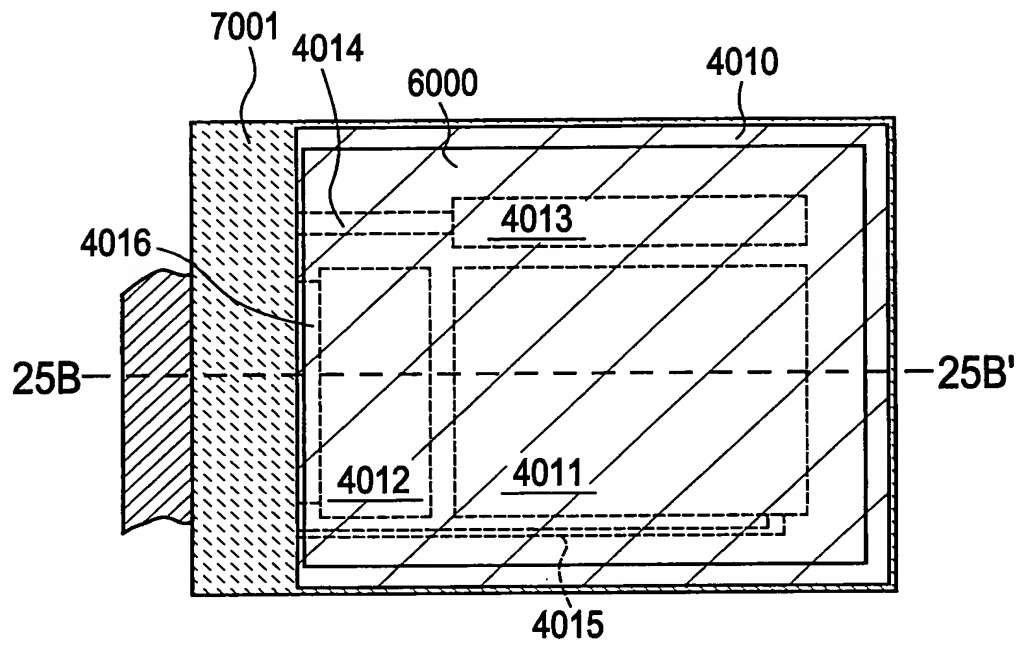


FIG. 25B

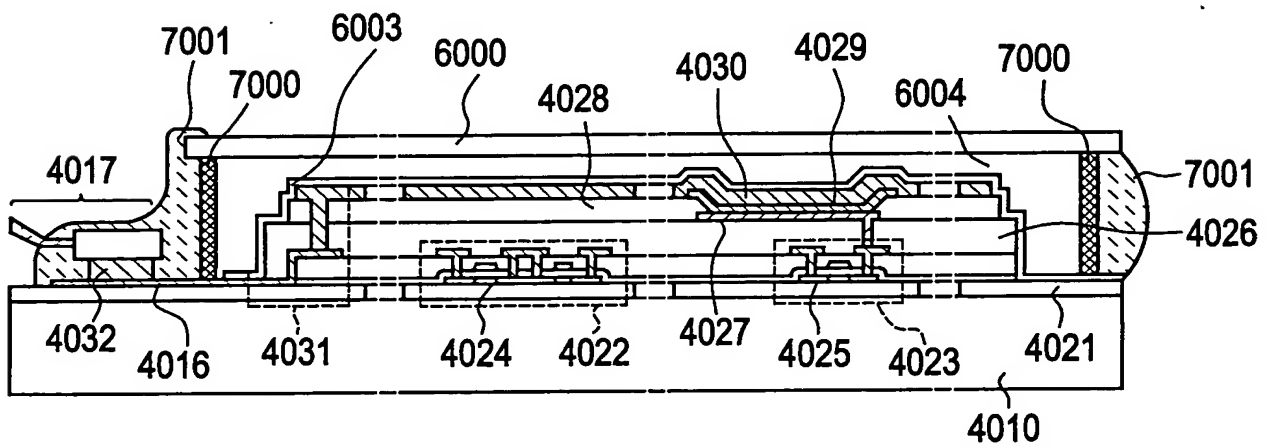


FIG. 26A

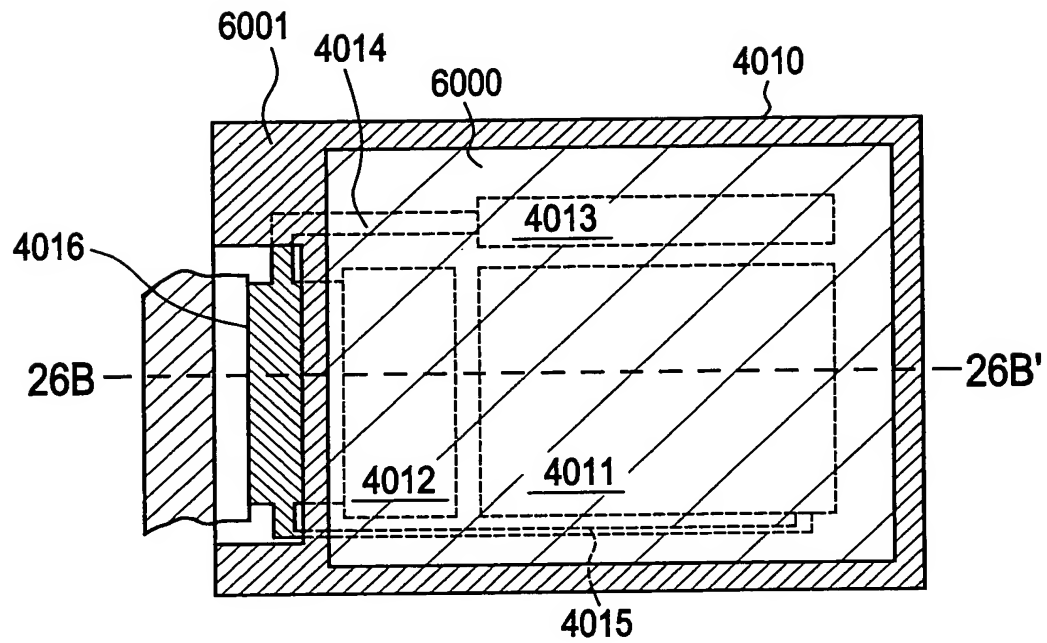


FIG. 26B

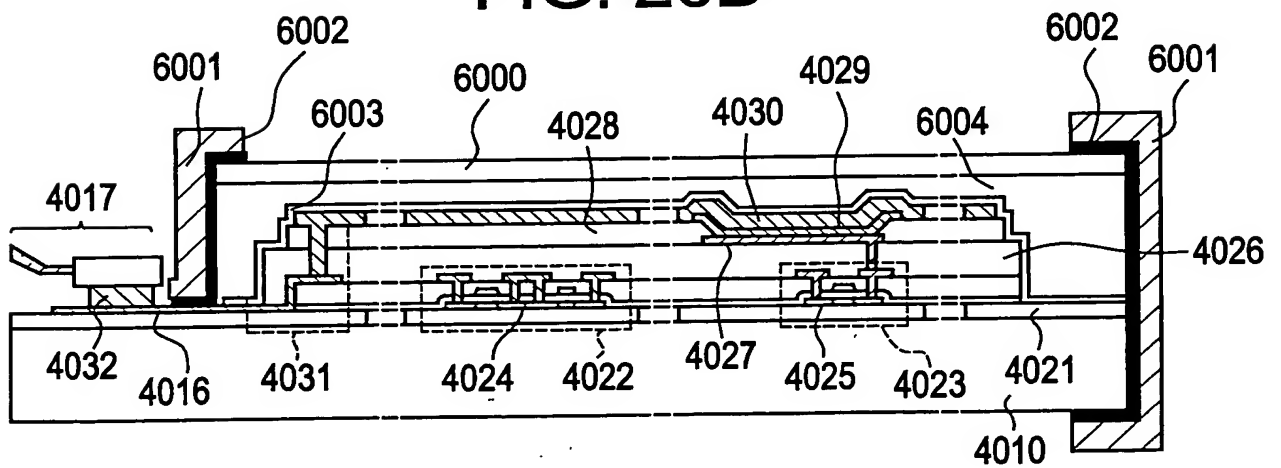


FIG. 27

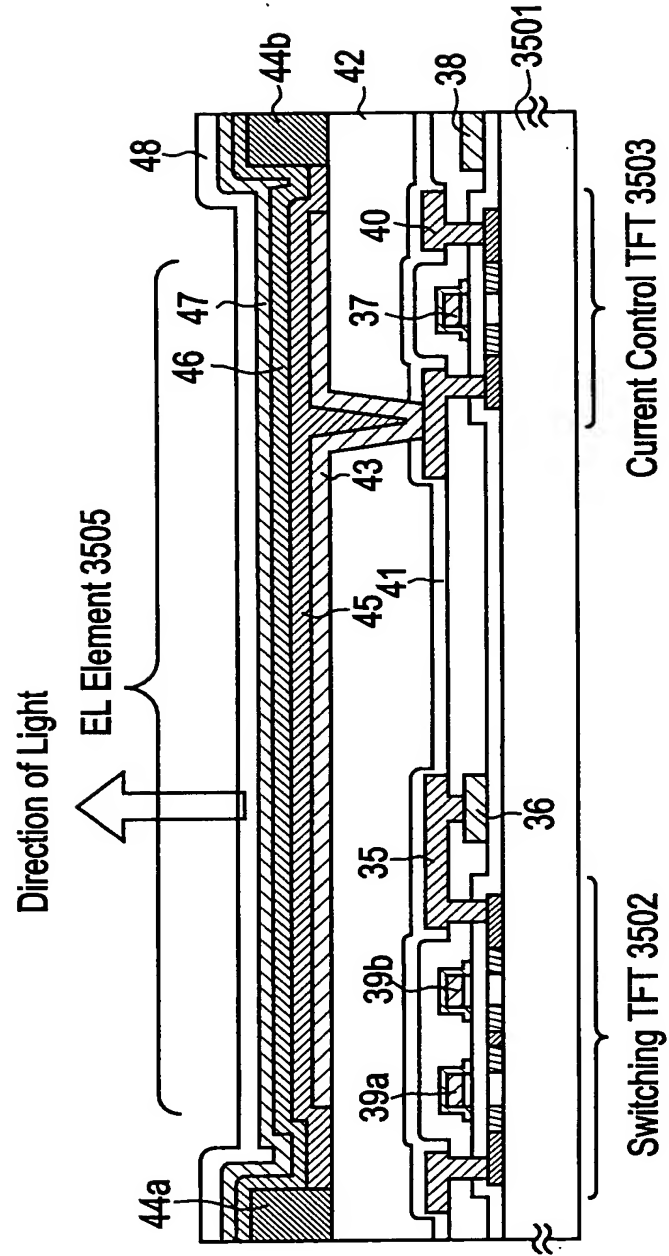


FIG. 28A

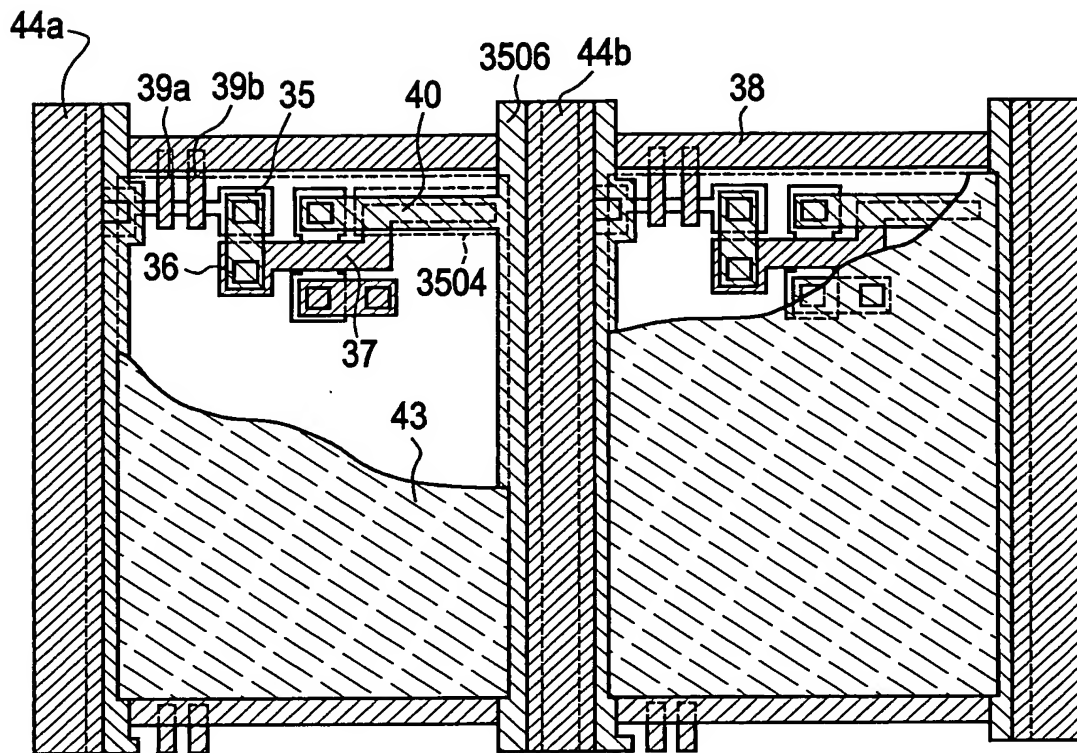


FIG. 28B

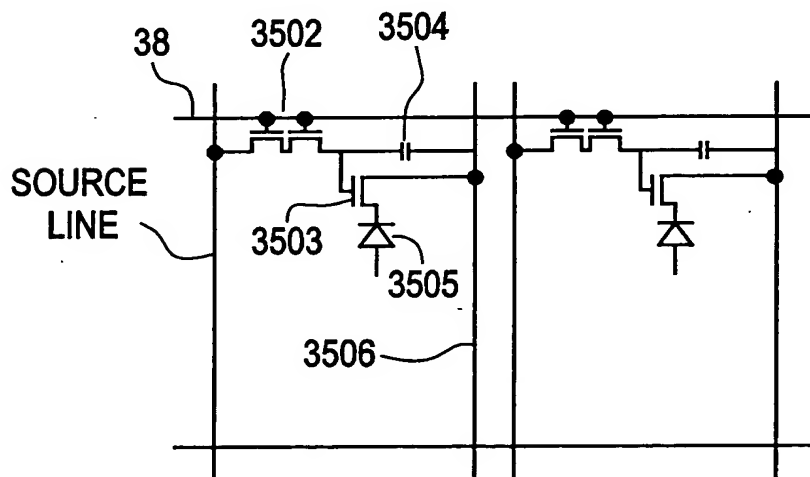


FIG. 29

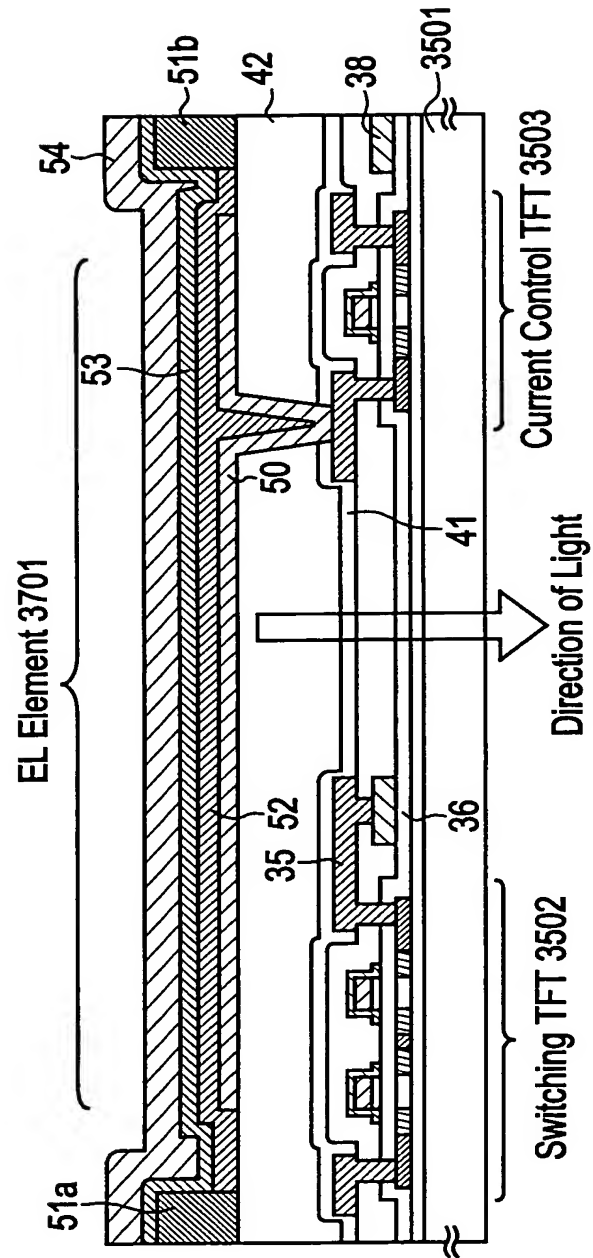


FIG. 30A

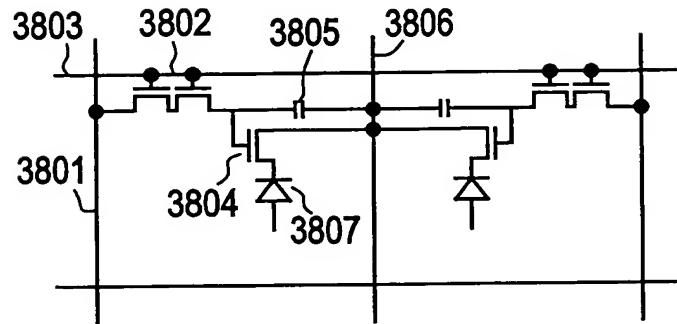


FIG. 30B

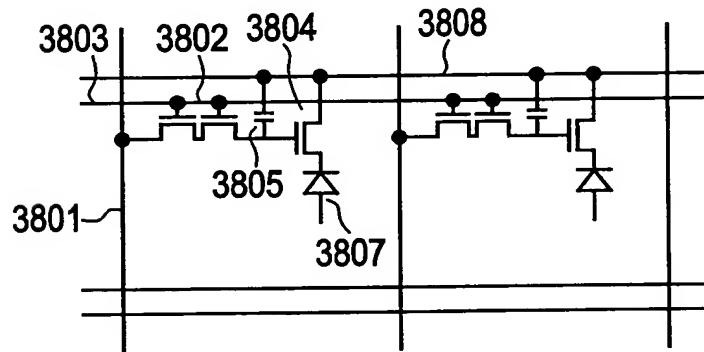


FIG. 30C

